Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	06/20/2017 11:14 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124069	-1	1.55	123969	1.55
Blue	F	SSC	125000	122915	-2	3.06	123368	2.89
Blue	E	FITC	23355	22695	-3	2.48	1008	10.52
Blue	D	PE	28848	28317	-2	2.04	1016	9.66
Blue	B	PerCP-Cy5-5	47791	46979	-2	3.36	1348	16.54
Blue	A	PE-Cy7	41358	41055	-1	5.10	638	35.07
Red	C	APC	51316	50612	-2	2.71	2926	9.39
Red	A	APC-Cy7	53225	52421	-2	2.78	1081	11.27
Violet	B	V450	14473	13811	-5	3.71	667	9.01
Violet	A	V500	59973	59027	-2	3.38	2623	6.33

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19709	2.71	607	9	N/A	N/A	Pass
Blue	F	SSC	60920	1.92	540	6	N/A	N/A	Pass
Blue	E	FITC	116	38.75	543	-1	0.0197	149	Pass
Blue	D	PE	222	29.12	538	0	0.1701	269	Pass
Blue	B	PerCP-Cy5-5	212	45.40	628	-2	0.0108	164	Pass
Blue	A	PE-Cy7	71	120.80	681	0	0.0123	26	Pass
Red	C	APC	345	27.36	590	-4	0.0205	70	Pass
Red	A	APC-Cy7	119	40.30	571	-5	0.0055	1542	Pass
Violet	B	V450	81	43.00	473	2	0.0442	1958	Pass
Violet	A	V500	191	23.87	505	4	0.0136	596	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.16	-31.61	0.81
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	19.19	13.27 - 19.91	N/A	N/A	31.58	32.09	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 12987

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments